

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
 Data File : BF095326.D
 Acq On : 22 May 2017 21:38
 Operator : SJ/MA
 Sample : I3278-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-2669

Quant Time: May 23 14:17:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

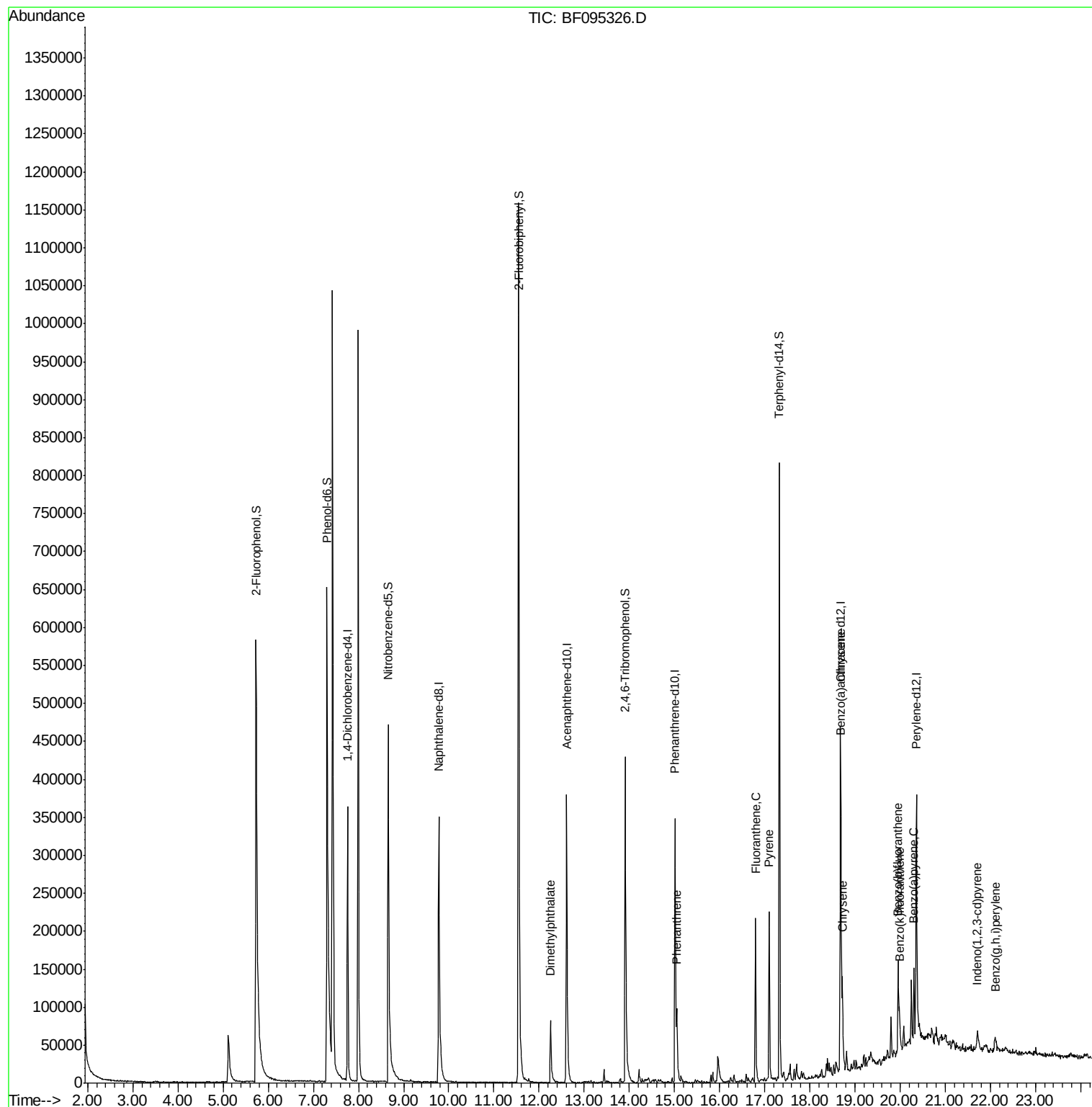
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	83994	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	353150	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	143191	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	222427	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	190499	20.00	ng	-0.01
86) Perylene-d12	20.36	264	158604	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.73	112	492075	97.67	ng	0.00
7) Phenol-d6	7.30	99	593334	98.16	ng	-0.01
23) Nitrobenzene-d5	8.66	82	341071	60.90	ng	-0.01
41) 2,4,6-Tribromophenol	13.91	330	101169	86.27	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	656190	65.96	ng	-0.01
78) Terphenyl-d14	17.32	244	335128	38.75	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.25	163	77244	6.57	ng	100
70) Phenanthrene	15.05	178	60551	4.74	ng	96
74) Fluoranthene	16.79	202	137220	10.47	ng	96
77) Pyrene	17.09	202	120348	8.45	ng	# 94
80) Benzo(a)anthracene	18.67	228	49488	4.46	ng	99
82) Chrysene	18.72	228	66386m	6.19	ng	
85) Indeno(1,2,3-cd)pyrene	21.71	276	21380	2.46	ng	96
87) Benzo(b)fluoranthene	19.95	252	66497m	6.79	ng	
88) Benzo(k)fluoranthene	19.98	252	24725m	2.62	ng	
89) Benzo(a)pyrene	20.31	252	41586	4.60	ng	97
91) Benzo(g,h,i)perylene	22.11	276	20917	2.85	ng	94

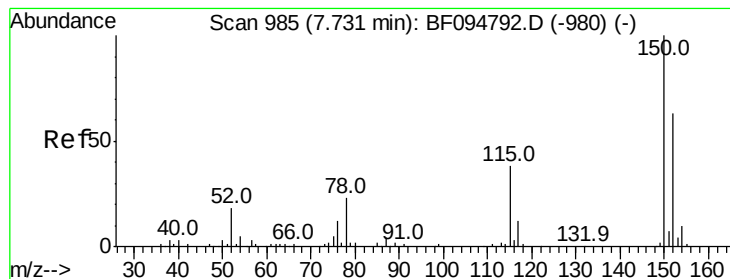
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.76 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

Instrument :

BNA_F

ClientSampleId :

RT-2669

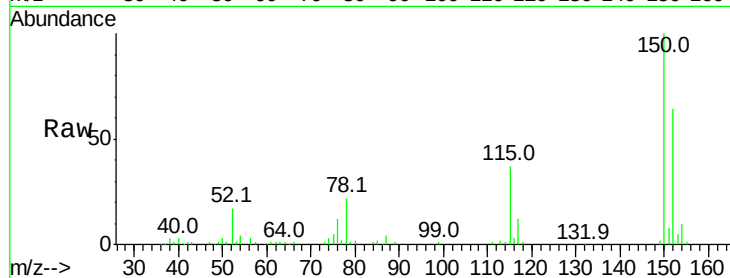
Tot Ion:152 Resp: 83994

Ion Ratio Lower Upper

152 100

150 156.1 126.2 189.2

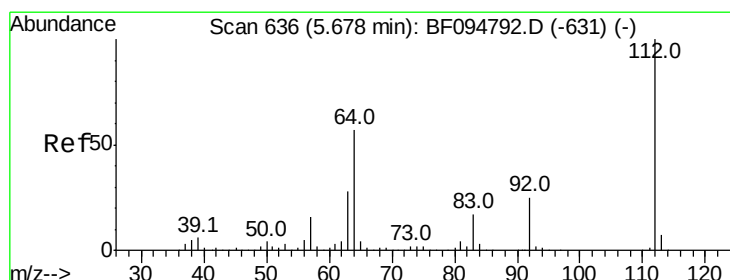
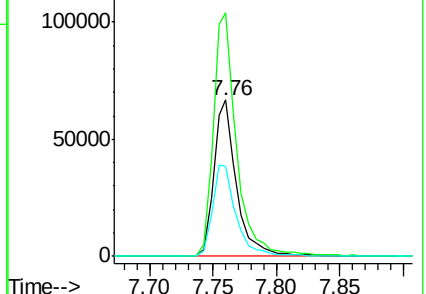
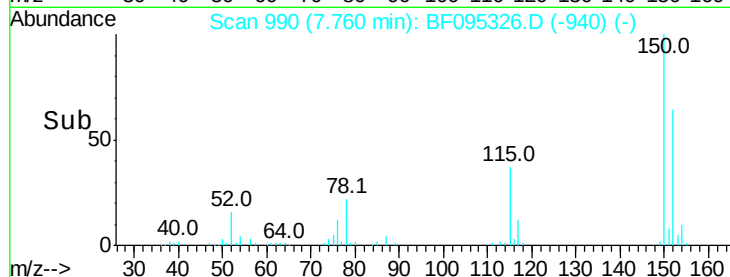
115 57.4 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 97.67 ng

RT: 5.73 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

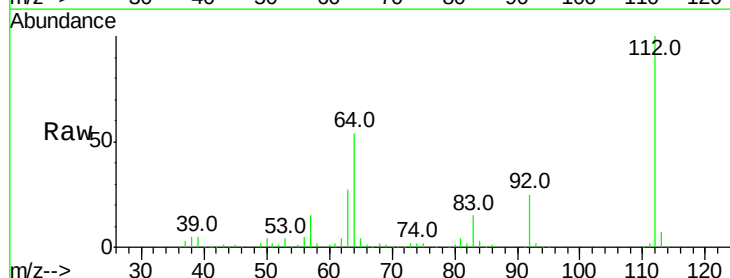
Tgt Ion:112 Resp: 492075

Ion Ratio Lower Upper

112 100

64 53.9 46.0 69.0

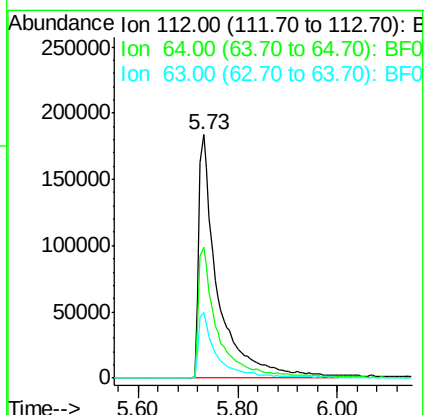
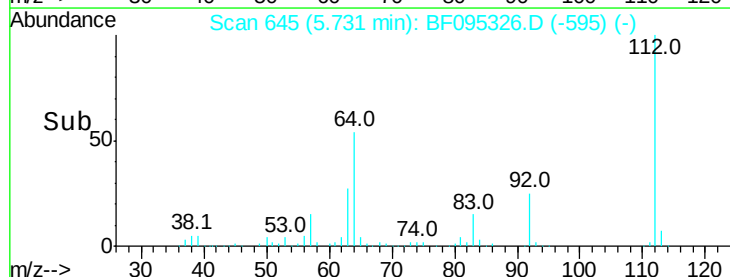
63 27.1 23.4 35.0

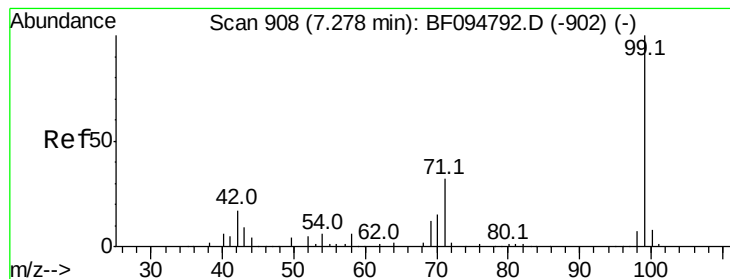


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.16 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

Instrument :

BNA_F

ClientSampleId :

RT-2669

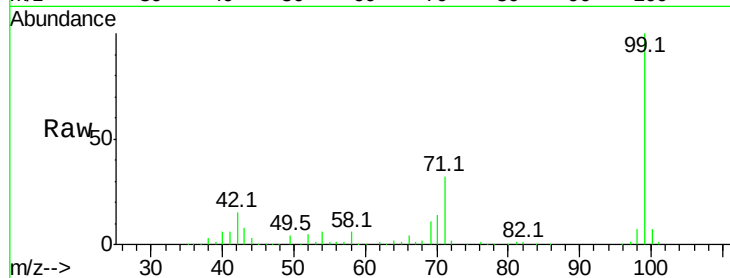
Tot Ion: 99 Resp: 593334

Ion Ratio Lower Upper

99 100

42 15.1 13.5 20.3

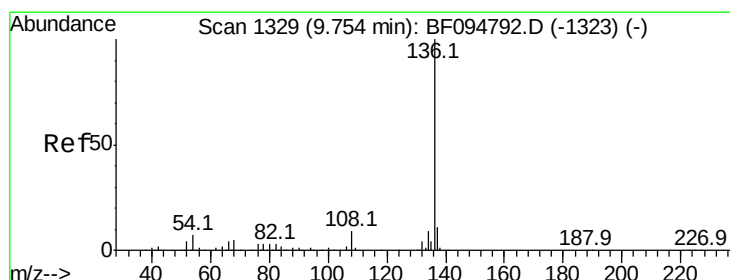
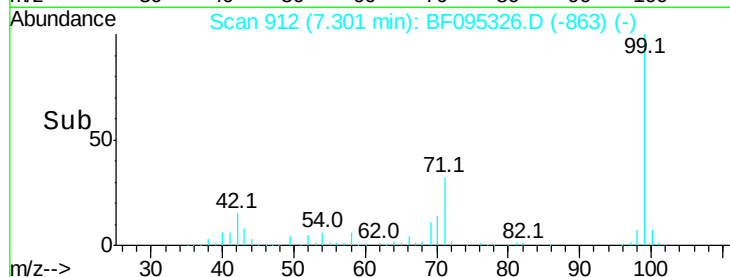
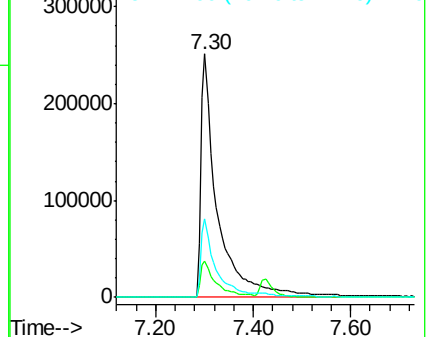
71 32.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

Tgt Ion: 136 Resp: 353150

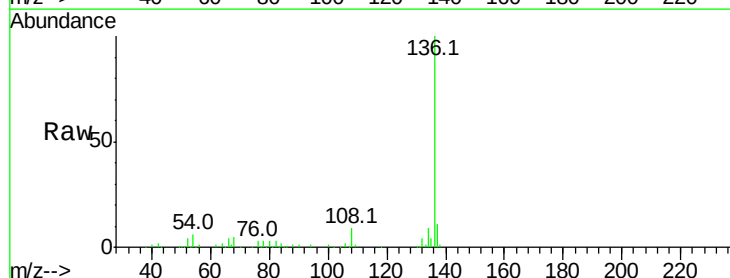
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.4 4.9 7.3

68 5.1 4.1 6.1

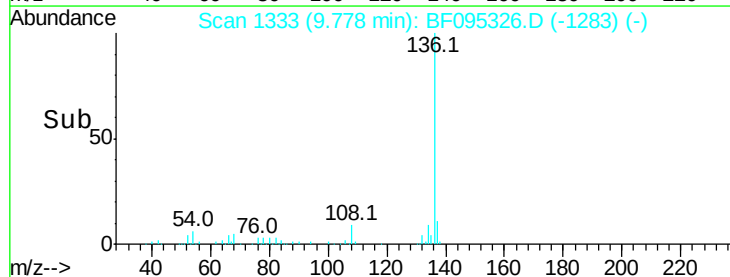
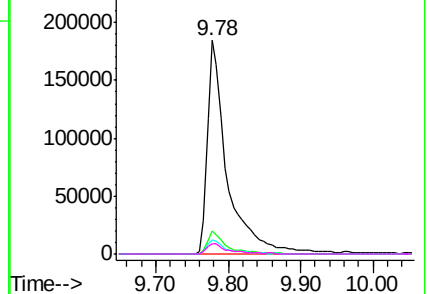


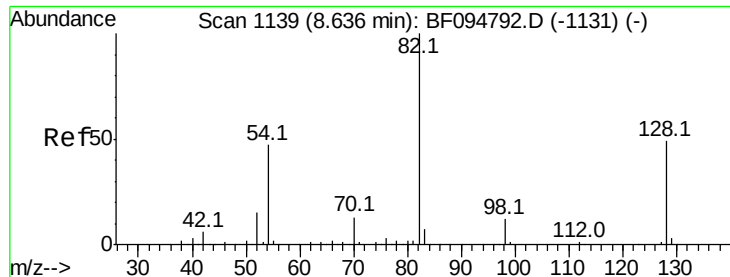
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

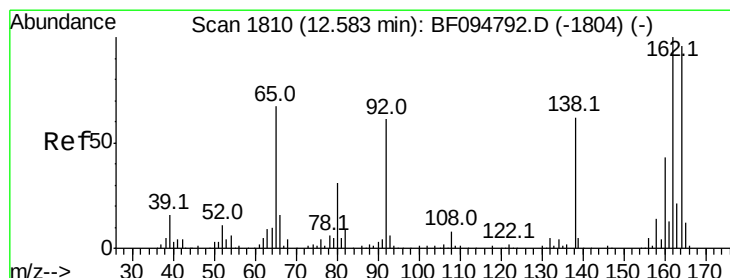
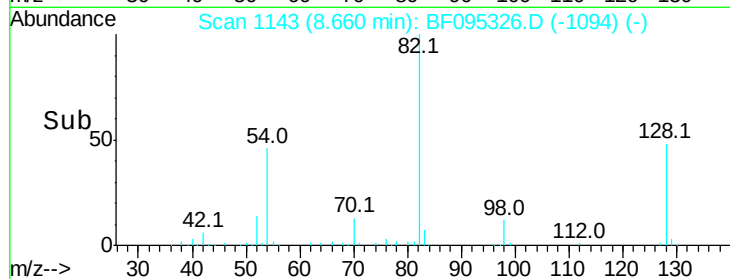
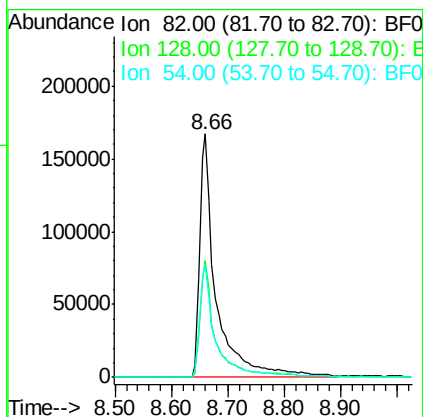
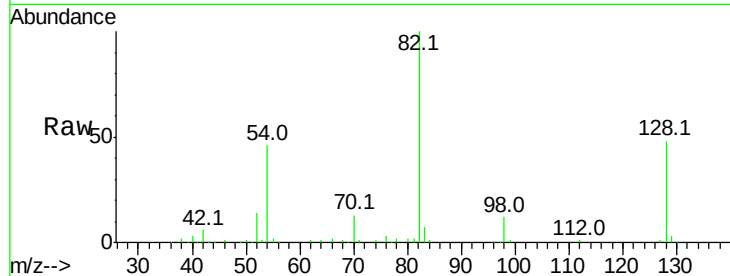




#23
Nitrobenzene-d5
Concen: 60.90 ng
RT: 8.66 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF095326.D
Acq: 22 May 2017 21:38

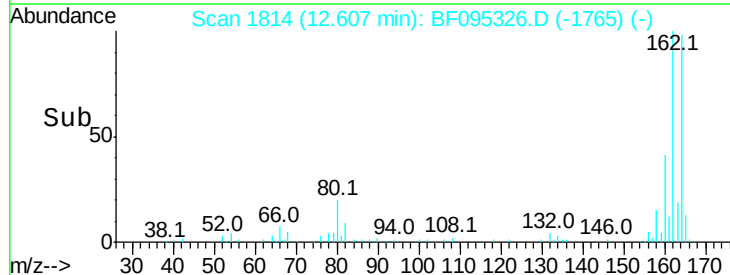
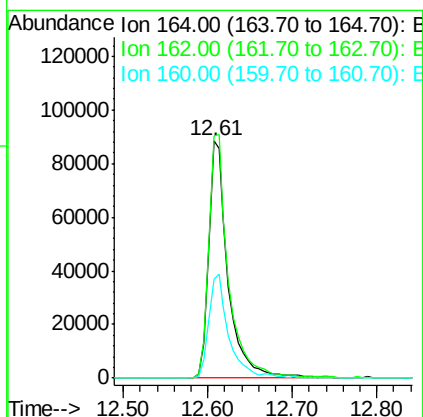
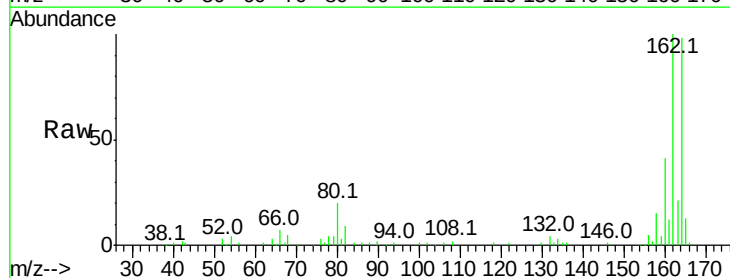
Instrument :
BNA_F
ClientSampleID :
RT-2669

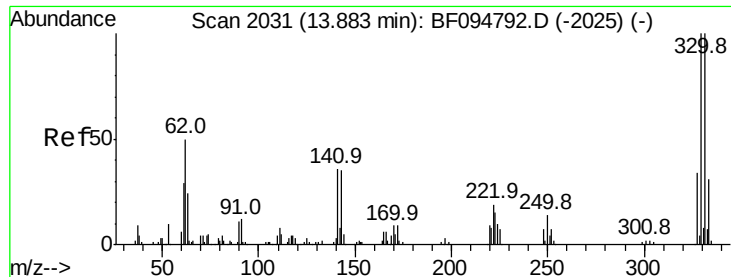
Tot Ion: 82 Resp: 341071
Ion Ratio Lower Upper
82 100
128 48.2 34.0 51.0
54 46.5 42.2 63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF095326.D
Acq: 22 May 2017 21:38

Tgt Ion: 164 Resp: 143191
Ion Ratio Lower Upper
164 100
162 102.0 82.6 123.8
160 41.6 36.2 54.2

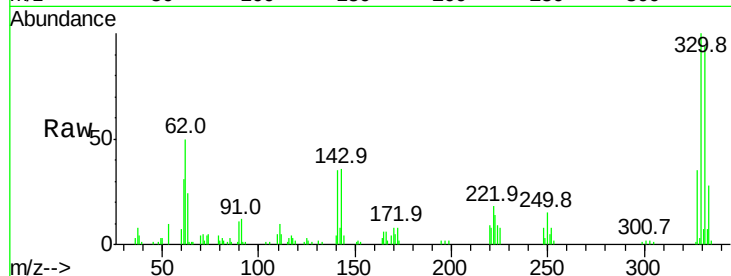




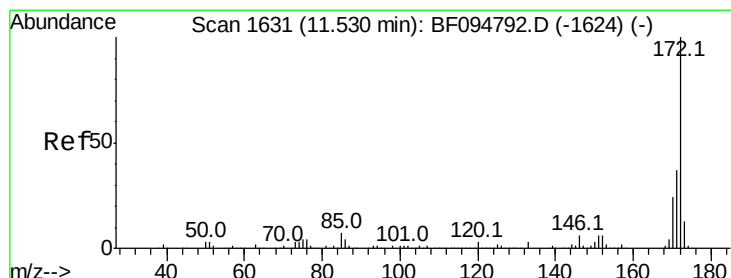
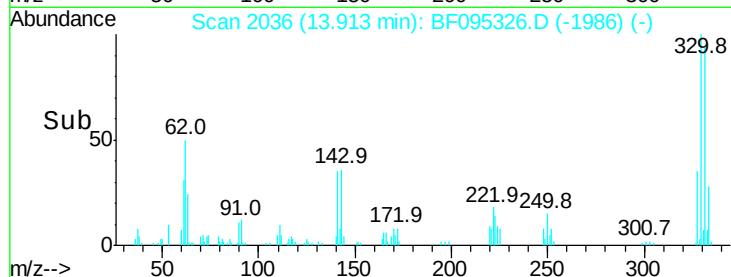
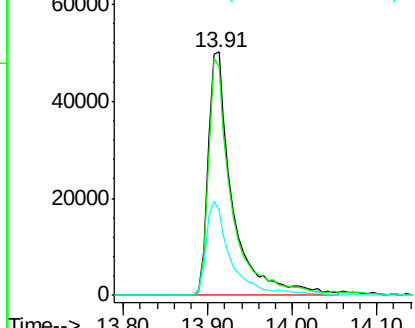
#41
 2,4,6-Tribromophenol
 Concen: 86.27 ng
 RT: 13.91 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF095326.D
 Acq: 22 May 2017 21:38

Instrument :
 BNA_F
 ClientSampleId :
 RT-2669

Tot Ion:330 Resp: 101169
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 115.0
 141 39.1 31.4 47.2

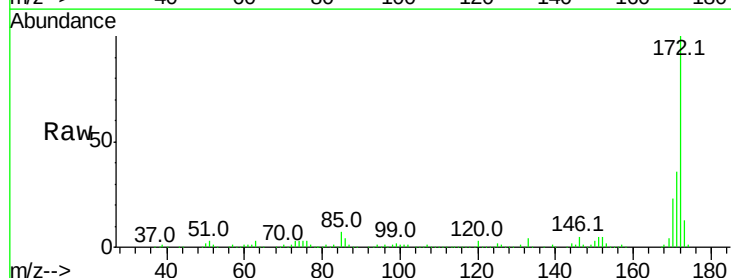


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

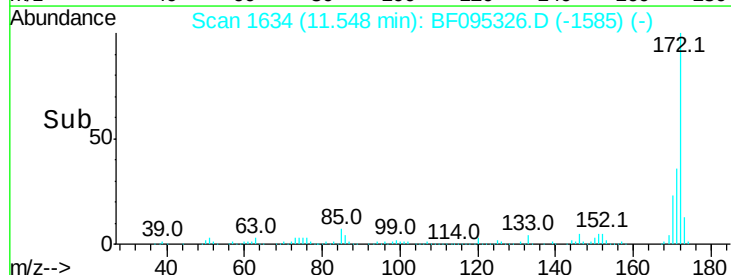
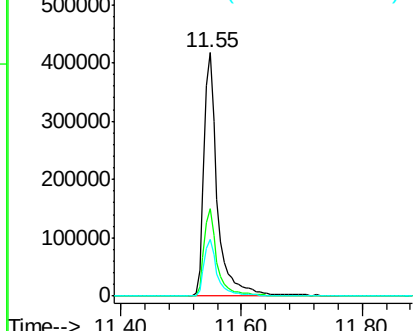


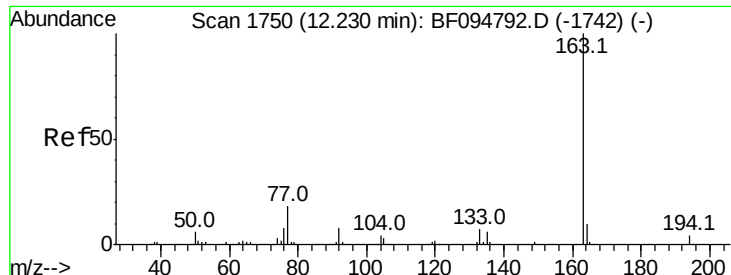
#44
 2-Fluorobiphenyl
 Concen: 65.96 ng
 RT: 11.55 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF095326.D
 Acq: 22 May 2017 21:38

Tgt Ion:172 Resp: 656190
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.1 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.57 ng

RT: 12.25 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

Instrument :

BNA_F

ClientSampled :

RT-2669

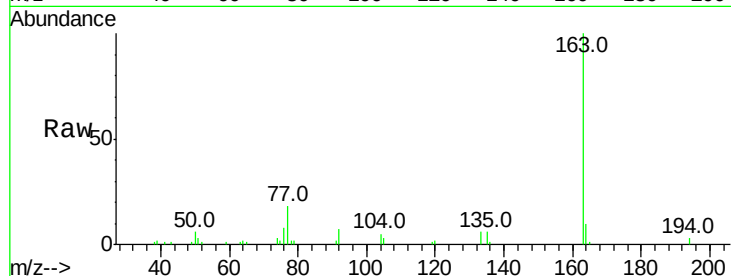
Tot Ion:163 Resp: 77244

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

164 10.5 8.4 12.6



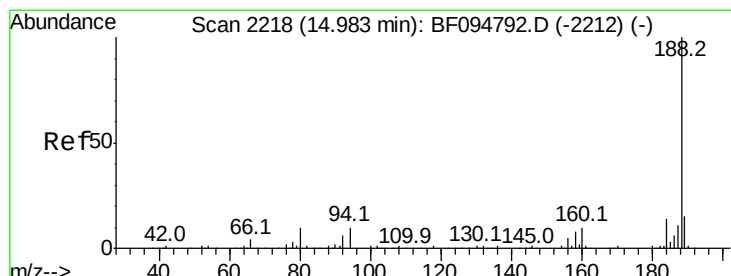
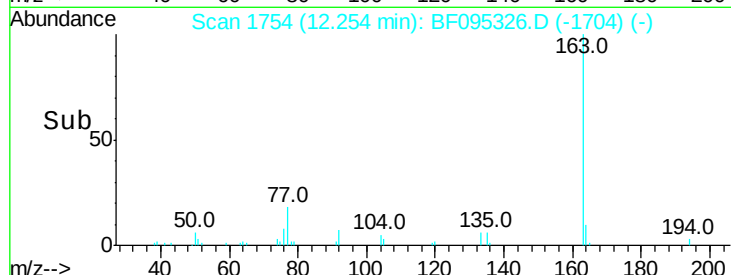
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

12.25

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.01 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

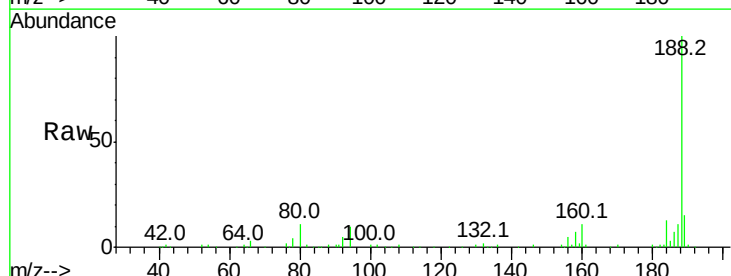
Tgt Ion:188 Resp: 222427

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.2

80 10.8 10.2 15.2



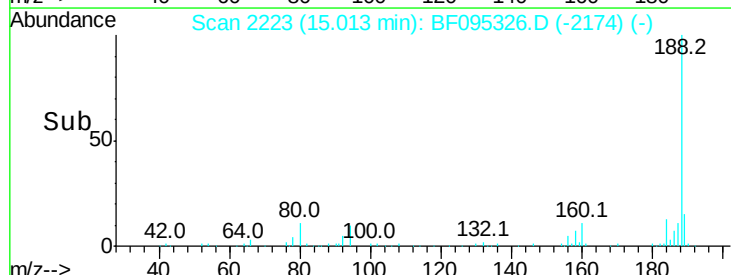
Abundance Ion 188.00 (187.70 to 188.70): E

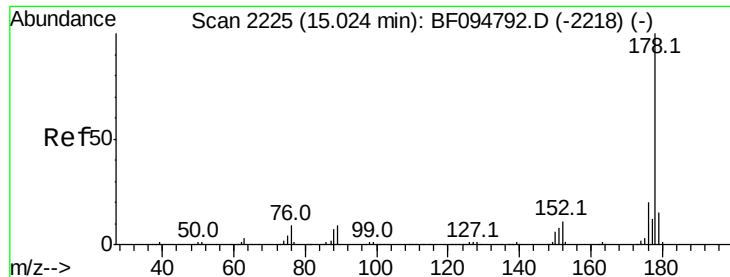
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

15.01

Time-->

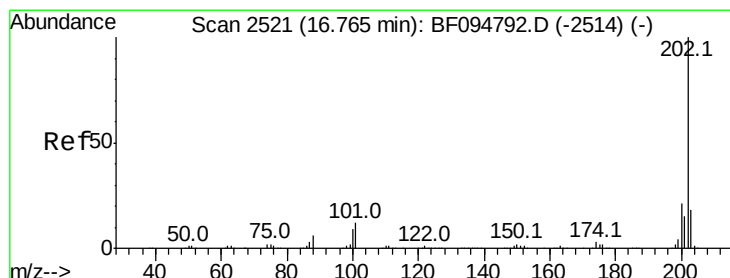
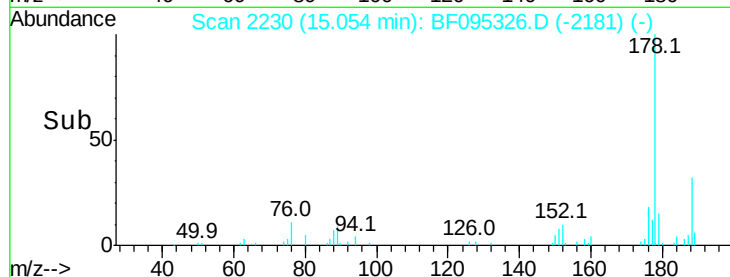
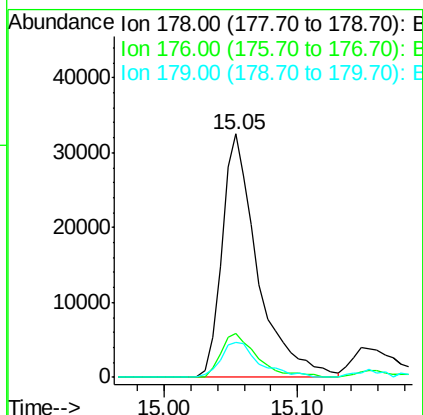
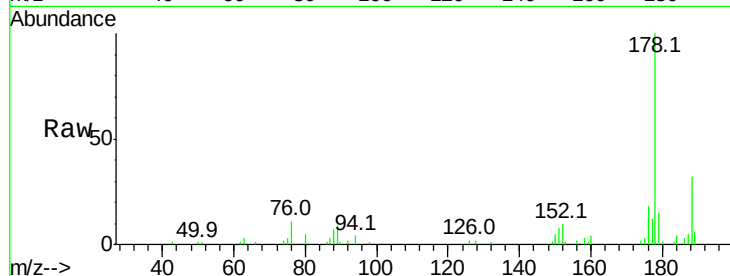




#70
 Phenanthrene
 Concen: 4.74 ng
 RT: 15.05 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF095326.D
 Acq: 22 May 2017 21:38

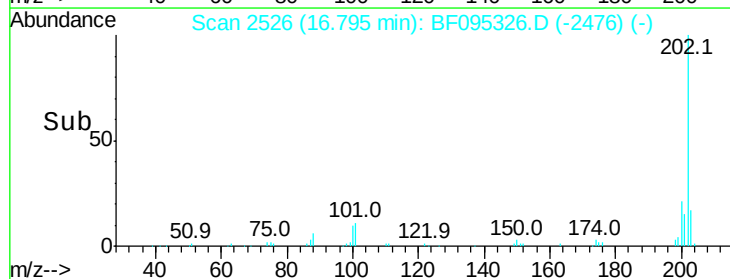
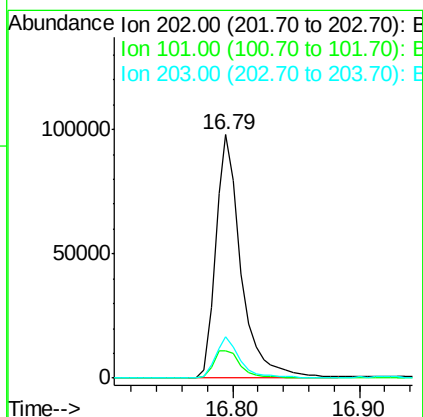
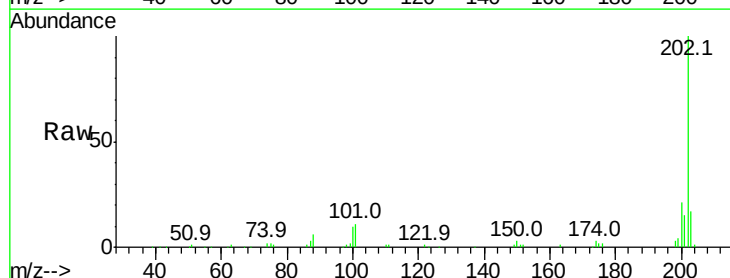
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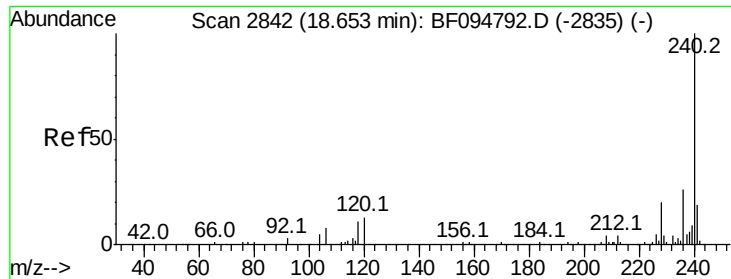
Tot Ion:178 Resp: 60551
 Ion Ratio Lower Upper
 178 100
 176 17.8 16.2 24.4
 179 14.5 12.6 19.0



#74
 Fluoranthene
 Concen: 10.47 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095326.D
 Acq: 22 May 2017 21:38

Tgt Ion:202 Resp: 137220
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 33.2
 203 16.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

Instrument :

BNA_F

ClientSampleId :

RT-2669

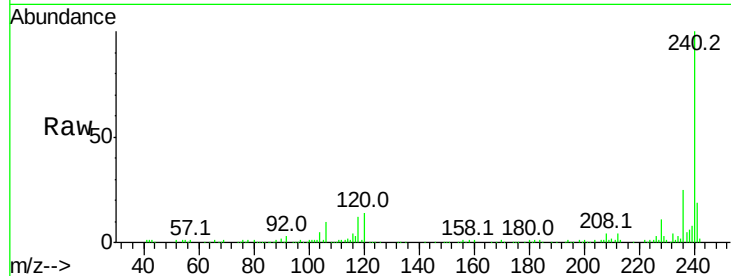
Tot Ion:240 Resp: 190499

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

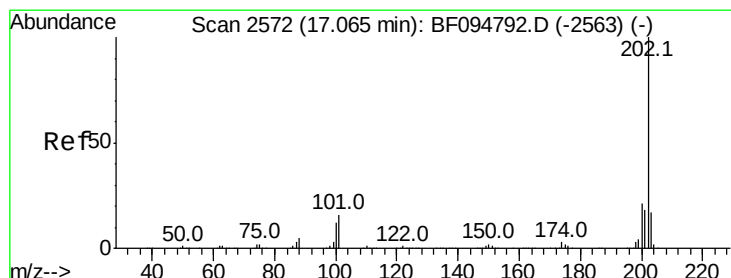
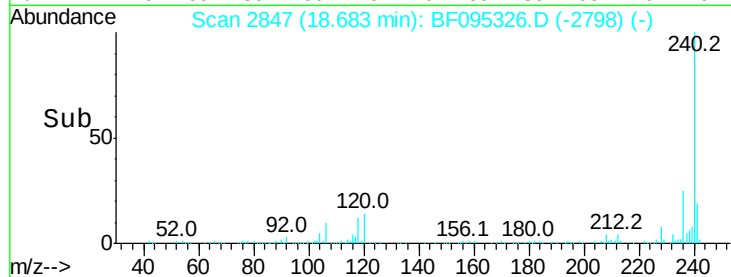
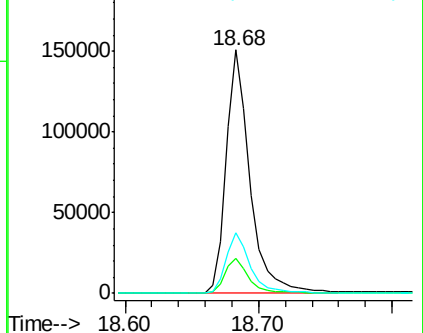
236 25.1 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.45 ng

RT: 17.09 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

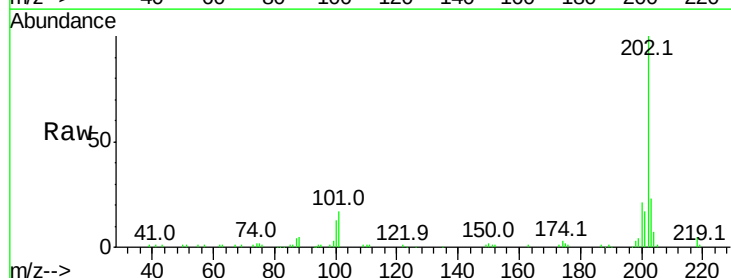
Tgt Ion:202 Resp: 120348

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

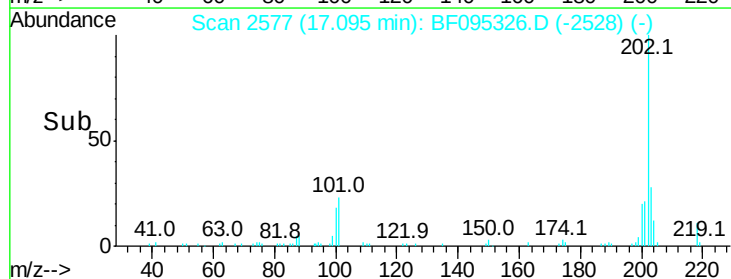
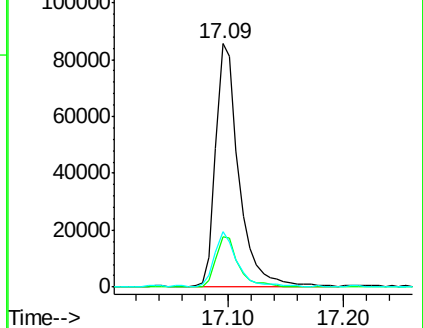
203 22.6 14.4 21.6#

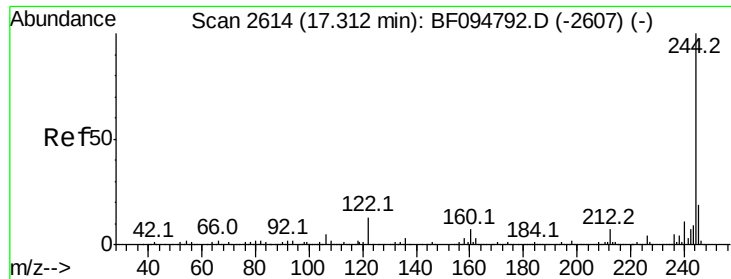


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 38.75 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

Instrument :

BNA_F

ClientSampleId :

RT-2669

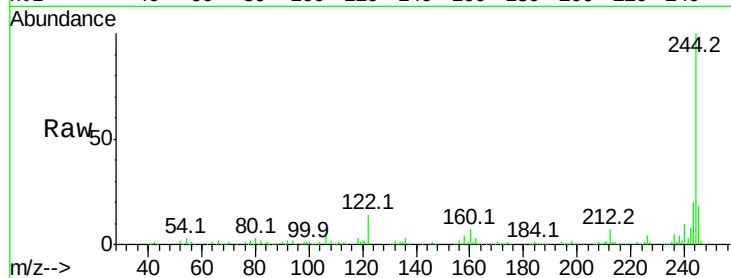
Tot Ion:244 Resp: 335128

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

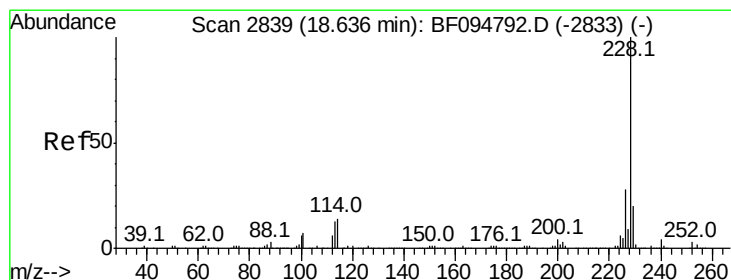
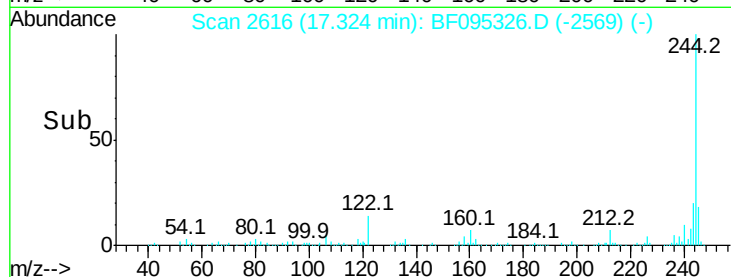
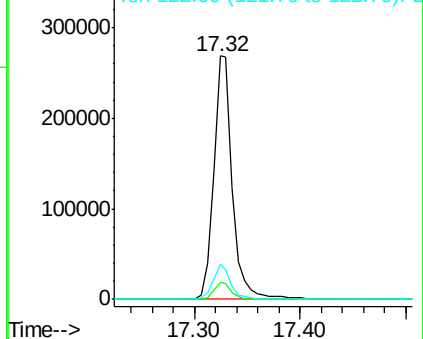
122 14.5 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.46 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

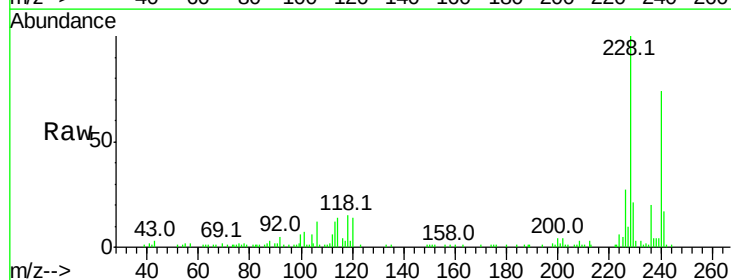
Tgt Ion:228 Resp: 49488

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

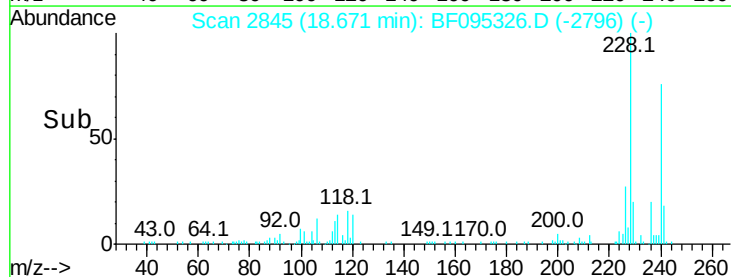
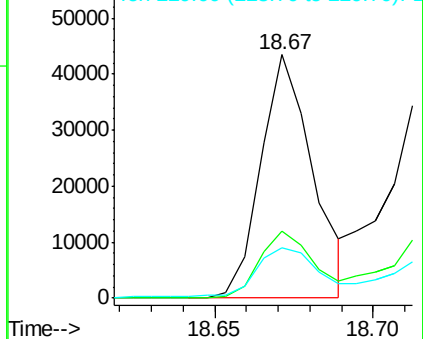
229 20.8 16.3 24.5

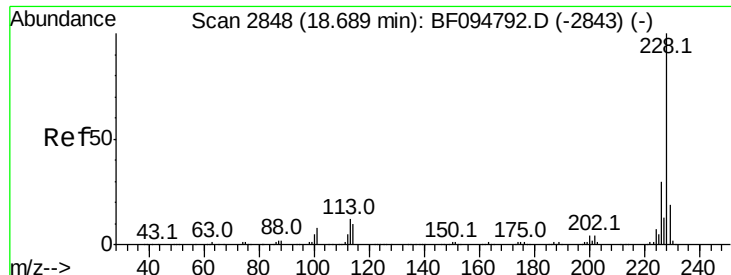


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.19 ng/mL

RT: 18.72 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

Instrument :

BNA_F

ClientSampleID :

RT-2669

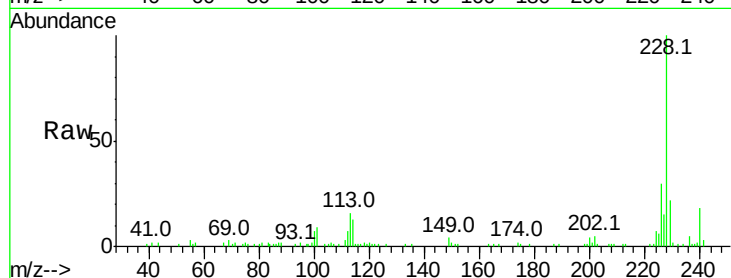
Tot Ion:228 Resp: 66386

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

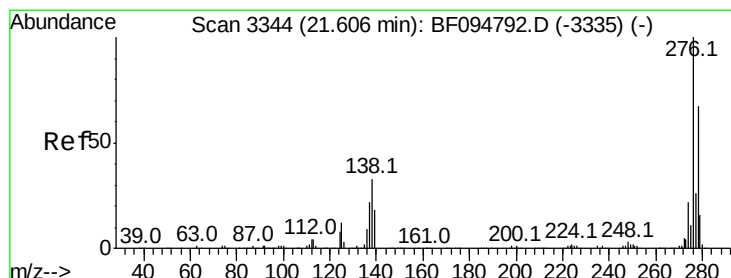
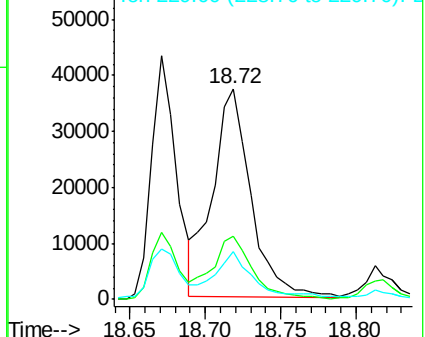
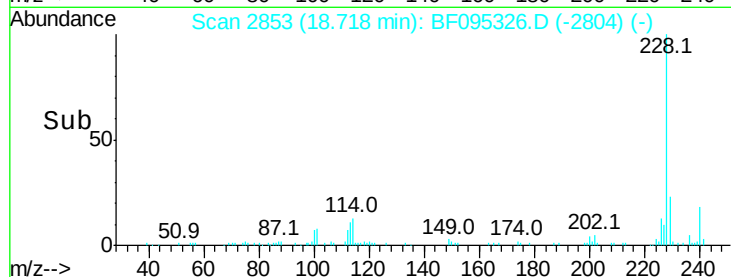
229 22.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.46 ng/mL

RT: 21.71 min Scan# 3362

Delta R.T. 0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

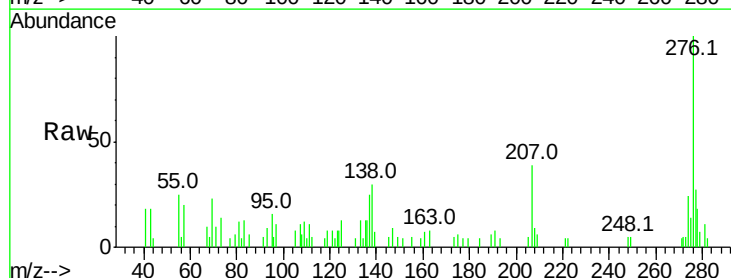
Tgt Ion:276 Resp: 21380

Ion Ratio Lower Upper

276 100

138 31.0 27.8 41.6

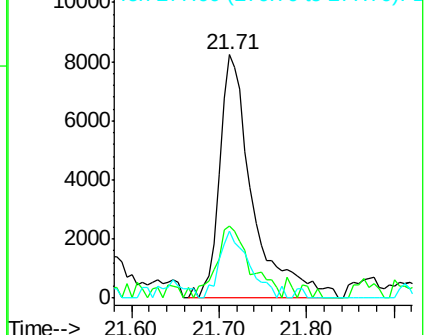
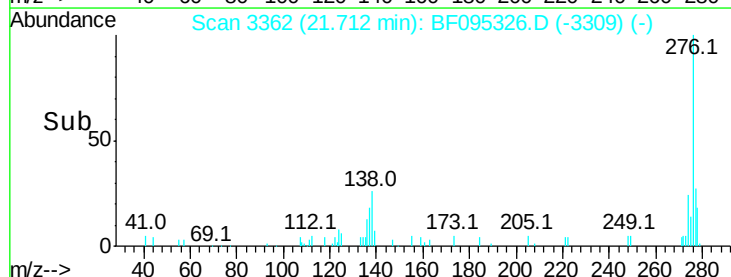
277 24.7 20.2 30.4

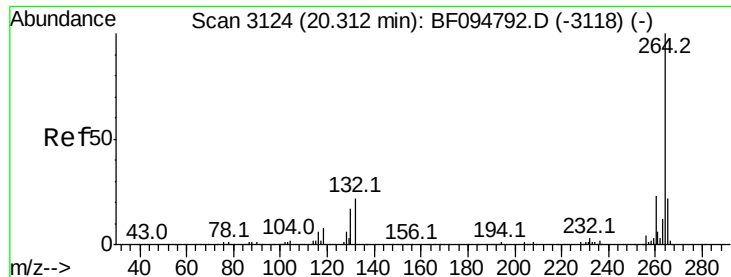


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.36 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

Instrument :

BNA_F

ClientSampled :

RT-2669

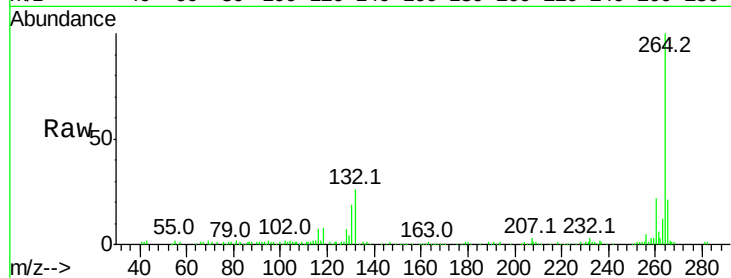
Tot Ion:264 Resp: 158604

Ion Ratio Lower Upper

264 100

260 22.2 19.5 29.3

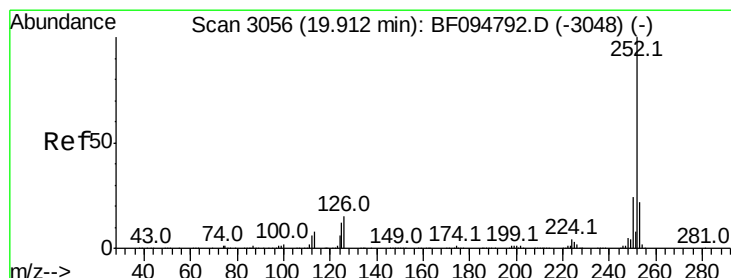
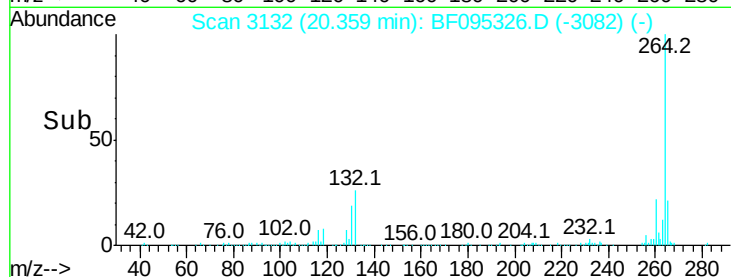
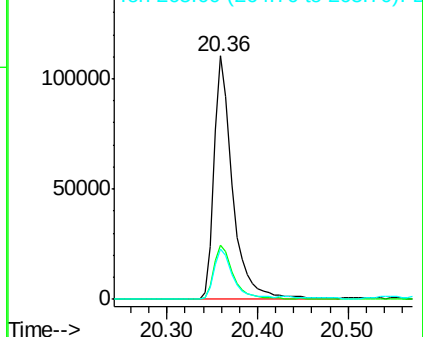
265 20.7 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 6.79 ng m

RT: 19.95 min Scan# 3063

Delta R.T. -0.01 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

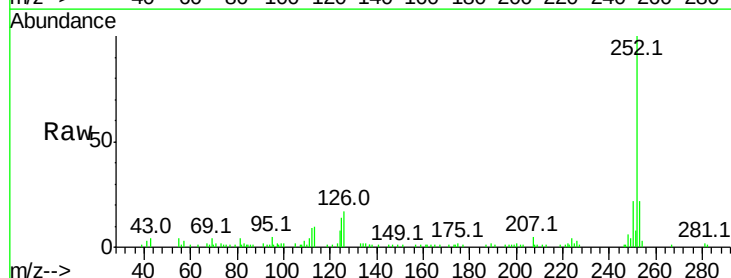
Tgt Ion:252 Resp: 66497

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

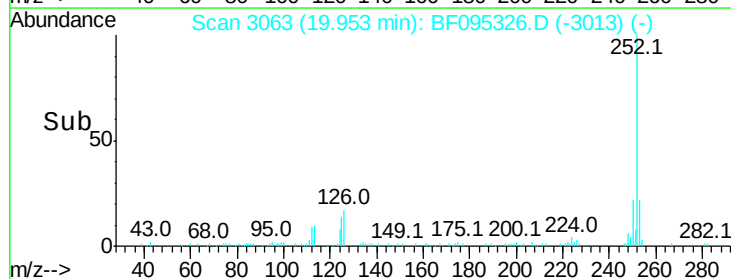
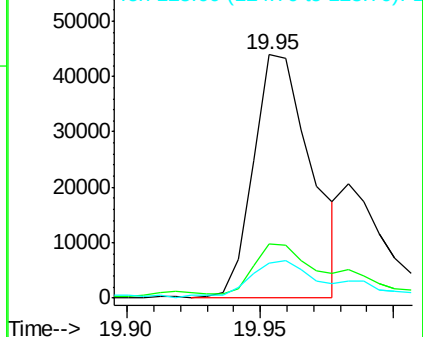
125 14.4 9.8 14.8

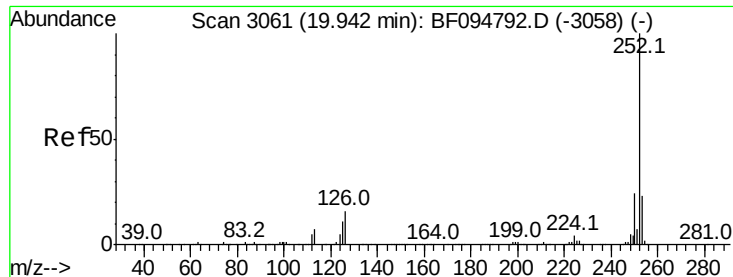


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

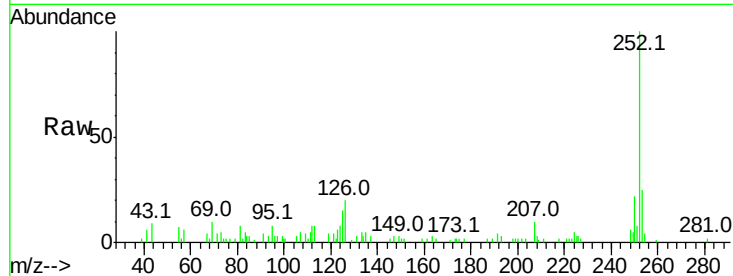




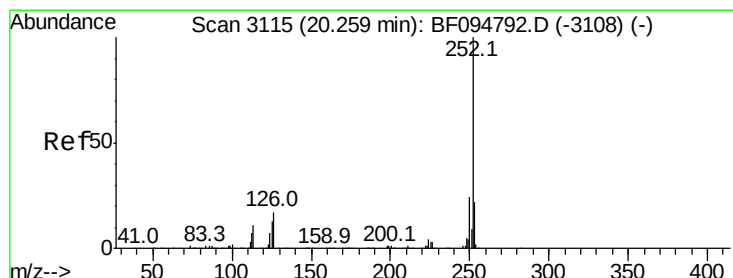
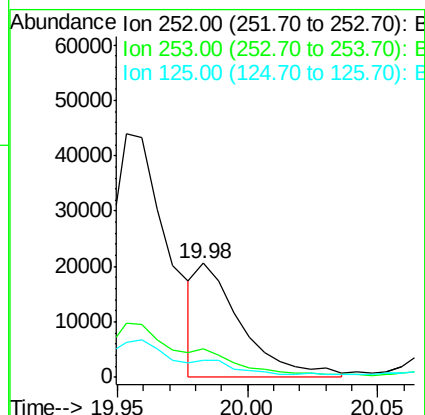
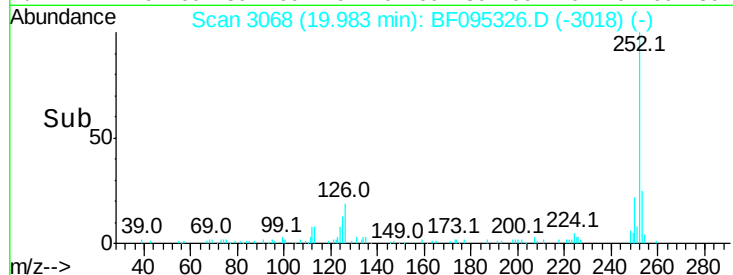
#88
Benzo(k)fluoranthene
Concen: 2.62 ng
RT: 19.98 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF095326.D
Acq: 22 May 2017 21:38

Instrument :
BNA_F
ClientSampled :
RT-2669

Tot Ion:	252	Resp:	24725
Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	15.4	13.1	19.7

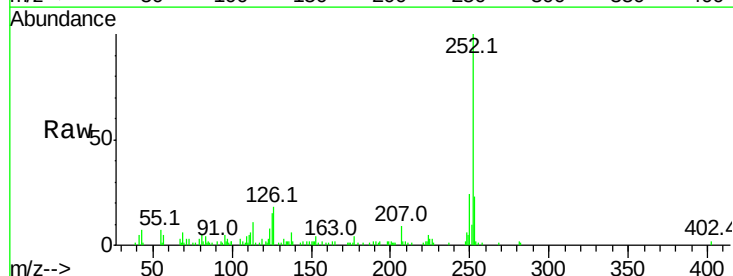


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

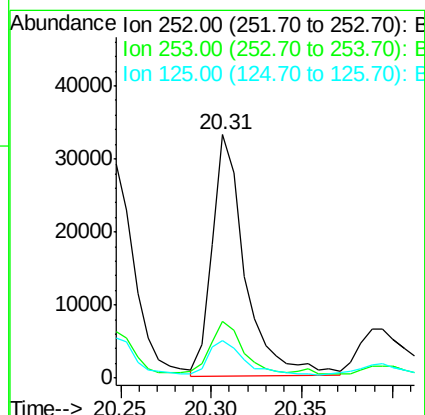
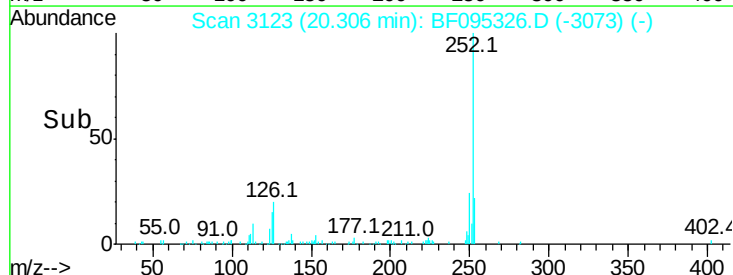


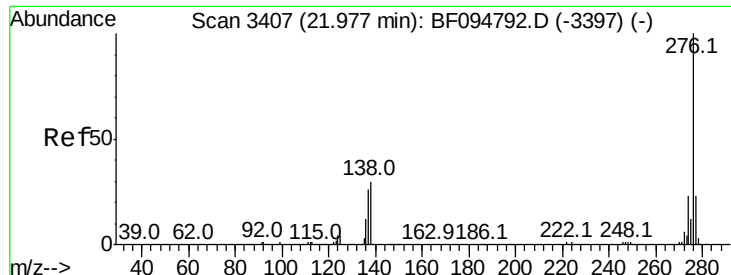
#89
Benzo(a)pyrene
Concen: 4.60 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095326.D
Acq: 22 May 2017 21:38

Tgt Ion:	252	Resp:	41586
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	15.3	11.0	16.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.85 ng

RT: 22.11 min Scan# 3429

Delta R.T. 0.02 min

Lab File: BF095326.D

Acq: 22 May 2017 21:38

Instrument :

BNA_F

ClientSampleId :

RT-2669

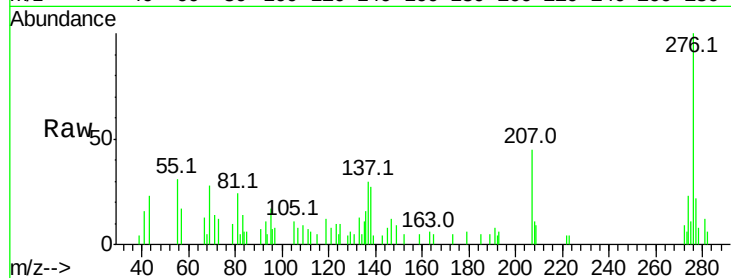
Tot Ion: 276 Resp: 20917

Ion Ratio Lower Upper

276 100

277 22.0 18.6 28.0

138 27.1 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

